

**IN THE SPECIFICATION:**

Please amend the specification by replacing the 3<sup>rd</sup> paragraph beginning on page 9 line 20 continuing to page 10 through line 7 with the following:

The photocatalyst solution comprises an aqueous dispersion of hollow ceramic microspheres which are coated with a photocatalyst, such as zinc oxide (ZnO), titanium dioxide (TiO<sub>2</sub>), or other semiconductor photocatalysts or photosensitive materials. The photocatalyst used by the inventor for the degradation of cyanide in water was Degussa P-25 TiO<sub>2</sub>. It will be apparent that various photocatalysts may be selected for various chemical applications. The substrate of the microspheres is type SLG hollow ceramic microspheres made by PQ Corporation. The microspheres have diameters of from about 100μm to about 300μm. However, this preferred size may vary depending upon the specific catalyst selected and the liquid and other chemical and physical factors involved in the specific reactor setup.